Derek Ni

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https://derekni.com | https://github.com/derekni

Summary

Sophomore at Cornell University pursuing a Bachelor of Science degree in Computer Science with experience in app development and highly interested in artificial intelligence and virtual reality.

Education

Cornell University **Ithaca, New York**
B.S. Computer Science, GPA: 4.13 Graduating May 2023
Courses taken: OO Programming & Data Structures, Discrete Structures, Intro to Backend Development, Functional Programming, and Probability & Statistics.

Thomas Jefferson High School for Science and Technology **Alexandria, Virginia**
GPA: 4.48 (weighted), 3.88 (unweighted); SAT: 1580/1600 Graduated June 2019
Webmaster of Mobile Apps Club, Captain of Varsity Tennis Team, National AP Scholar, and National Merit Finalist.

Experience

MITRE May 2020 – August 2020
Data Security Intern
Wrote Python and shell scripts to evaluate results from 5 synthetic audio machine learning models, tested audio identification on real and synthetic audio, and generated synthetic images using GANs.

Cornell ACSU October 2019 - Present
Academic Officer
Plan and hold academic events like mock interviews and coding workshops for Cornell ACSU.

Southgate GIVE September 2015 - June 2019
Center Manager
Managed scheduling, communication and tutoring for tutoring program at local community center.

Monster Roll January 2018 - July 2019
Employee
Part-time job making rolled ice cream and bubble tea.

Projects

Jimmy Jumper
A mobile runner game where the player runs and jumps on platforms in the sky. Coded using C# in Unity.

Johnny Jumper
A mobile jumping game where the player jumps on platforms to go higher and reach the sky. Coded using JavaScript in Phaser.

TaskTime
iOS app to help users complete to-do tasks by encouraging productivity through a points rewards system. Coded using Swift in XCode.

Skills & Interests

Skills: Python, Java, C#, Swift, JavaScript, HTML and SQL
Interests: Reading, tennis, piano, podcasts and running